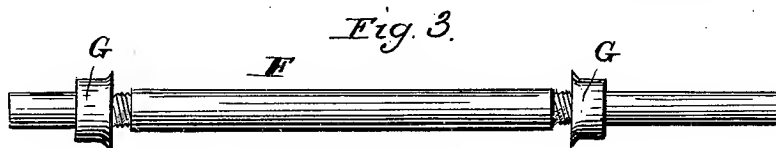
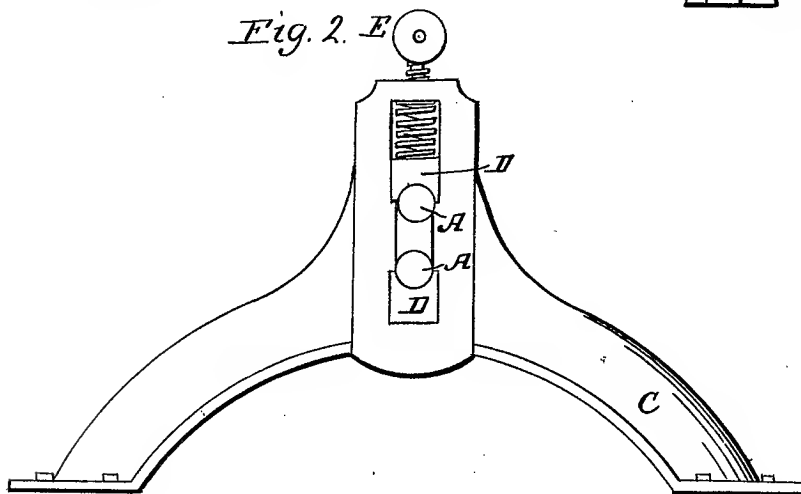
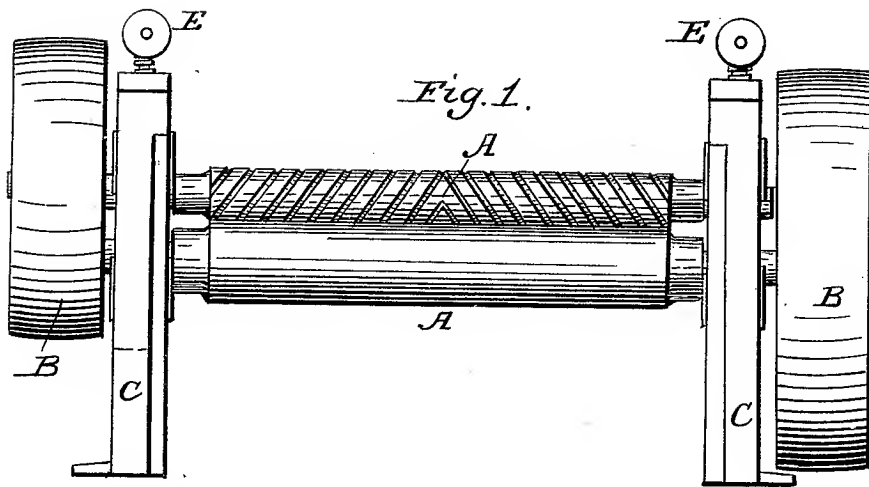


J. STEVENS.

Cotton Gin.

No. 485.

Patented Nov. 25, 1837.



UNITED STATES PATENT OFFICE.

JOHN STEVENS, OF POUGHKEEPSIE, NEW YORK, ASSIGNOR TO F. GOODELL, E. BROWN,
E. TRACY, AND L. H. MOSELEY.

MACHINE FOR GINNING COTTON.

Specification of Letters Patent No. 485, dated November 25, 1837.

To all whom it may concern:

Be it known that I, JOHN STEVENS, of Poughkeepsie, in the county of Dutchess and State of New York, have invented a new
5 and useful Improvement on Machines for Ginning Cotton; and I do hereby declare that the following is a full and exact description:

Figure 1, in the accompanying drawing
10 is a section of the principal working parts of the improvement. A A, Fig. 1, are two horizontal rollers, the top roller is made of iron or other like metal, and the under roller is made of cork—they may be made to re-
15 volve by means of pulleys B B, or any other convenient way and are supported in their position by stands C C, having boxes D, D, D, D, fitted therein—the upper box is at liberty to rise and fall in the grooves in
20 stands C C, there being spiral springs within the stands resting on the upper box, which are compressed more or less by means of screws E E which produce any degree of pressure desired upon the rollers when the
25 cotton is passing through—other kinds of springs or weights may be used to bear upon the said upper box.

Fig. 2, is an end view of the stand C C and rollers A A. F, Fig. 3, is the shaft of the cork roller having screw nuts G G fitted upon either end, the cork is cut into pieces as shown at Fig. 4, and placed upon the shaft and the screw nuts pressed upon it until a hard elastic surface is formed. The top roller in Fig. 1 is made of iron or other
35 like metals, with spiral grooves or flutes diverging from the center to each of the extremities.

Operation: The cotton is fed in between the rollers and is drawn through without
40 the least injury to the staple leaving the seeds to drop from the rollers, being prevented from passing through by the rollers being pressed closely together.

What I claim as new and desire to secure
45 by Letters Patent, is—

The application and manner of making the cork rollers and the spiral grooved metallic roller..

JOHN STEVENS.

Witnesses:

J. VAN BEUTHUYTEN,
W. D. MOAK.